

IceCube 1394a

User Manual

3.5" ATA to Firewire 1394a External Storage Enclosure

Table of Contents

Chapter 1	Introduction.....	P.2
Chapter 2	Package Contents.....	P.3
Chapter 3	Hardware Installation Guide.....	P.4
Chapter 4	Installation Procedure.....	P.11
Chapter 5	Unplug Procedure.....	P.13
Chapter 6	Partitioning & Formatting.....	P.16
Chapter 7	Technical Information.....	P.19



Chapter 1

Introduction

1.1 The IceCube 3.5" ATA to Firewire 1394a External Storage Enclosure is clarity, compact, outstanding looking enclosure. Equipped with 2 FireWire ports, this is the perfect solution for additional external storage, data backup, and for transferring data between computers and platforms.

1.2 Available Interfaces

- a. USB 2.0
- b. Firewire 1394a
- c. Firewire 1394a & USB 2.0 Combo
- d. Firewire 800 & USB 2.0 Combo

1.3 System Requirement

- a. Hardware : PC or MAC with 1394a interface
- b. OS requirement : Windows 98SE , Windows ME,
Windows 2000, Windows XP
Mac OS 8.6 and later

1.4 Product Dimensions: 22.0cm x 12.5 cm x 3.5 cm
8.66" x 4.92" x 1.38"

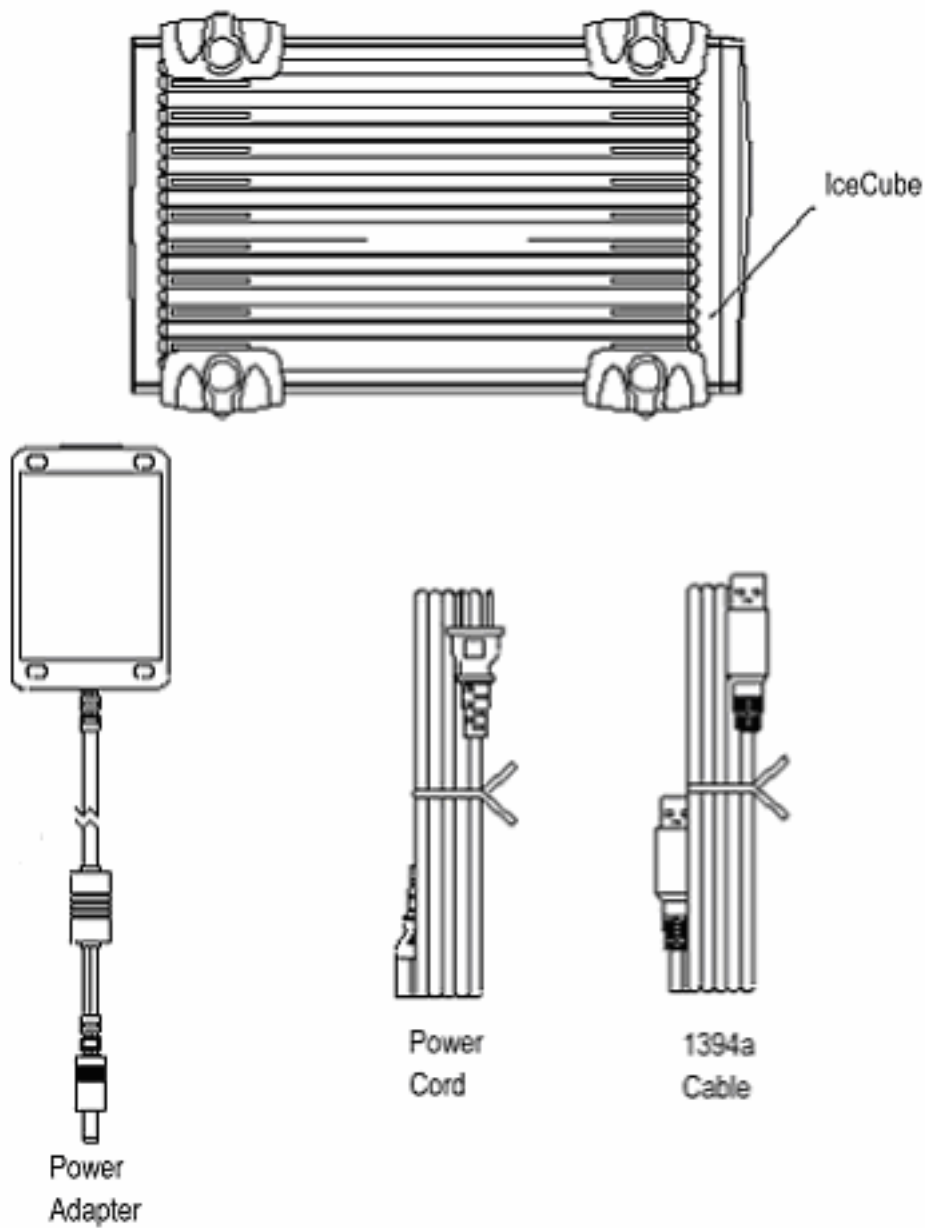
1.5 Package Dimensions: 65.0cm x 48.0cm x 52.5cm
25.60" x 18.90" x 20.67"



Chapter 2

Package Contents

1. IceCube (ATA to 1394a External Storage Enclosure)
2. Power Adapter
3. Power Cord
4. 1394a cable



Chapter 3

Hardware Installation Guide

3.1 Exploded View and Chassis Assembly

(See Figure A - E)

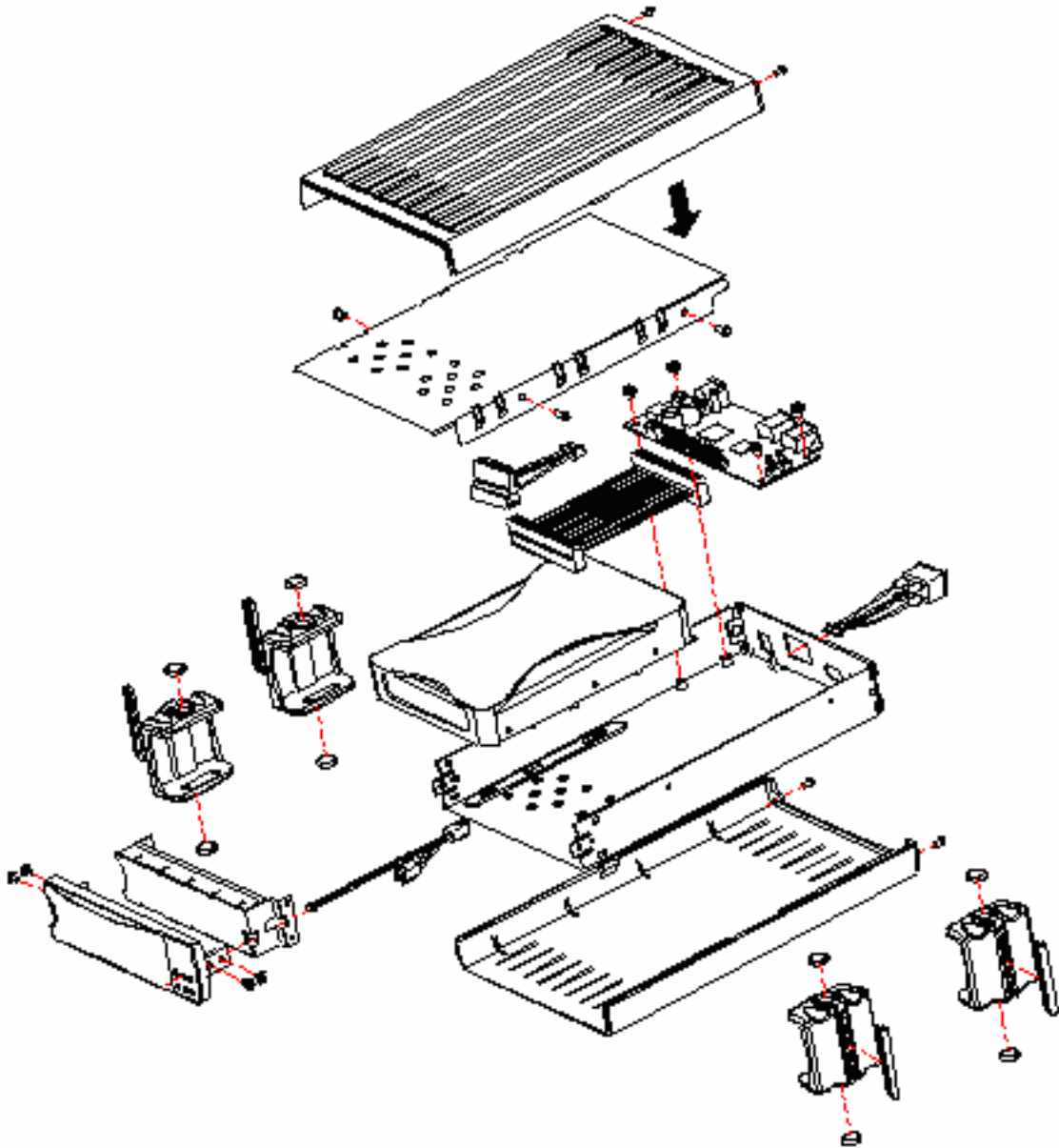


Figure A

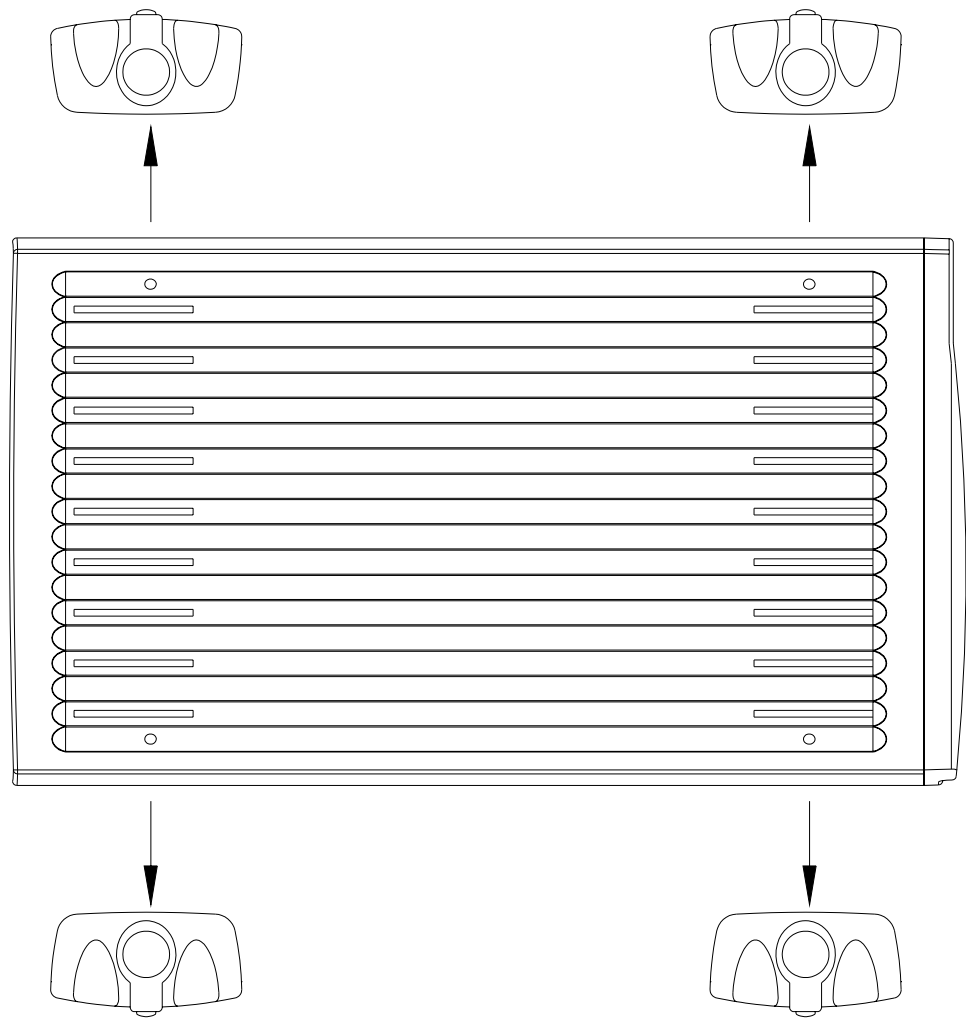


Figure B

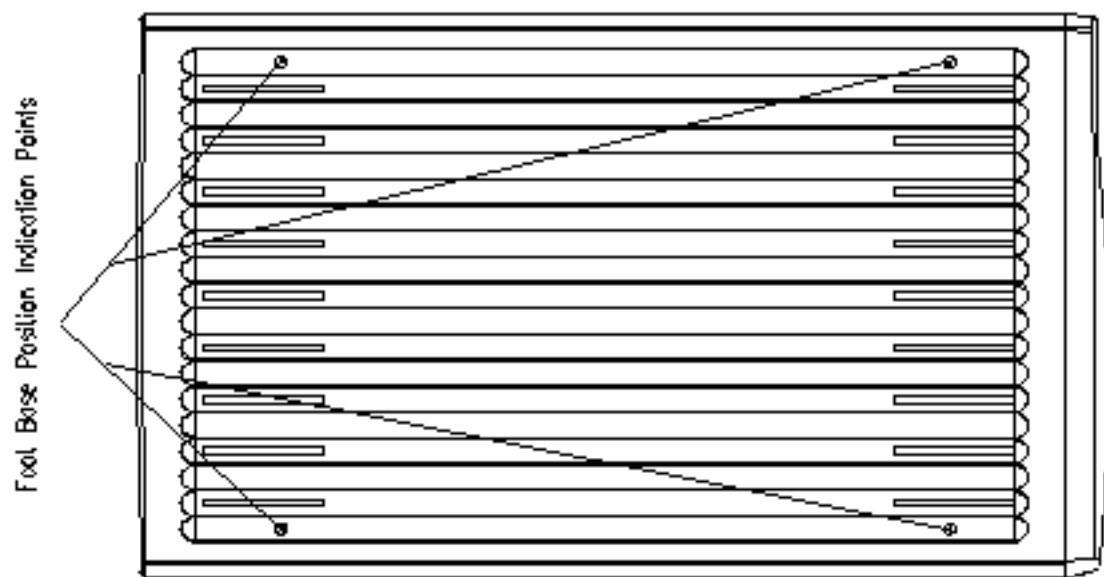


Figure C

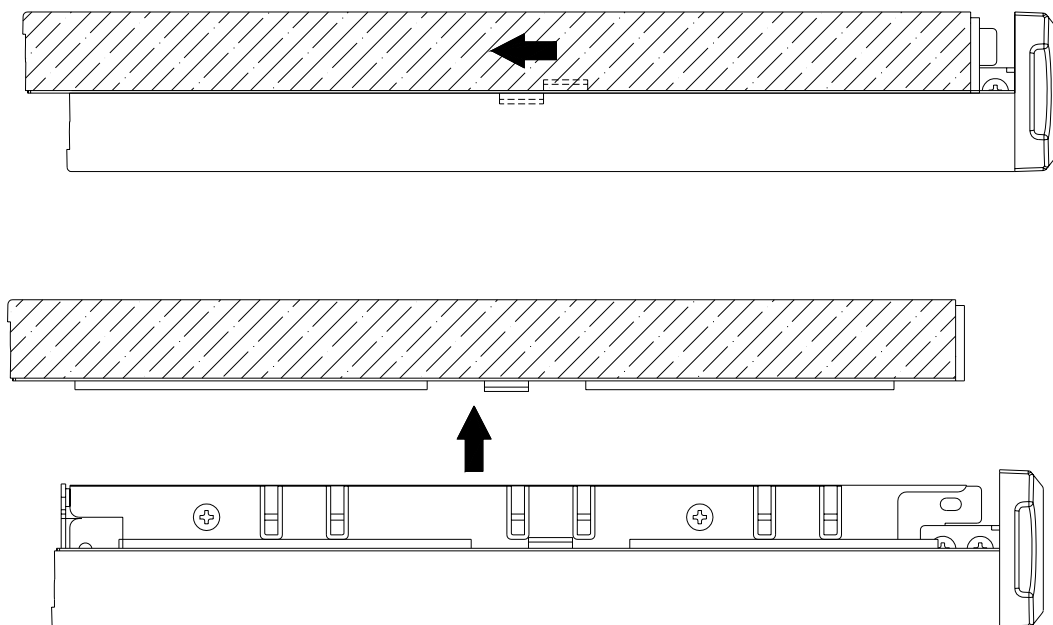


Figure D

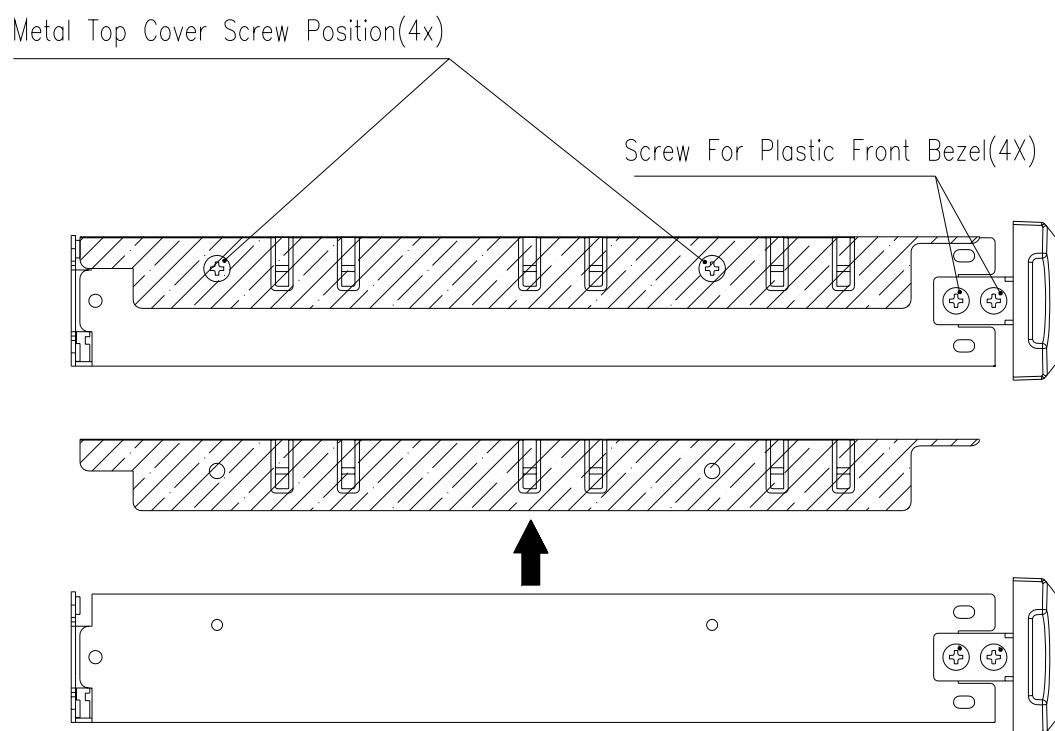


Figure E

3.2 Hard Drive Installation

(See Figure F - I)

Hard Drive jumper settings:

Set it to Master!

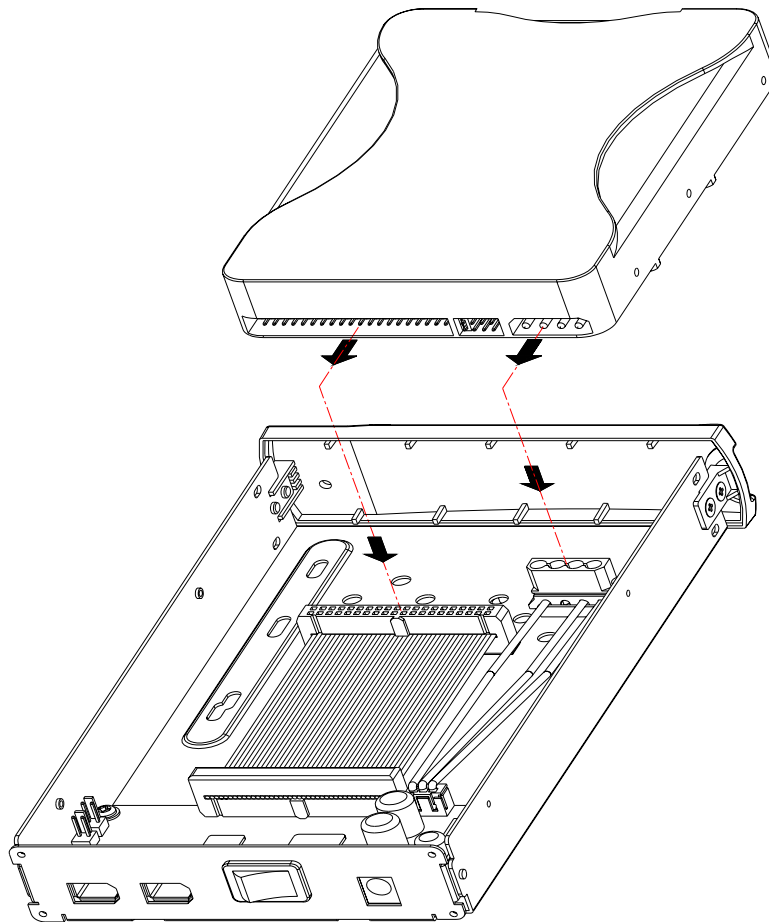


Figure F

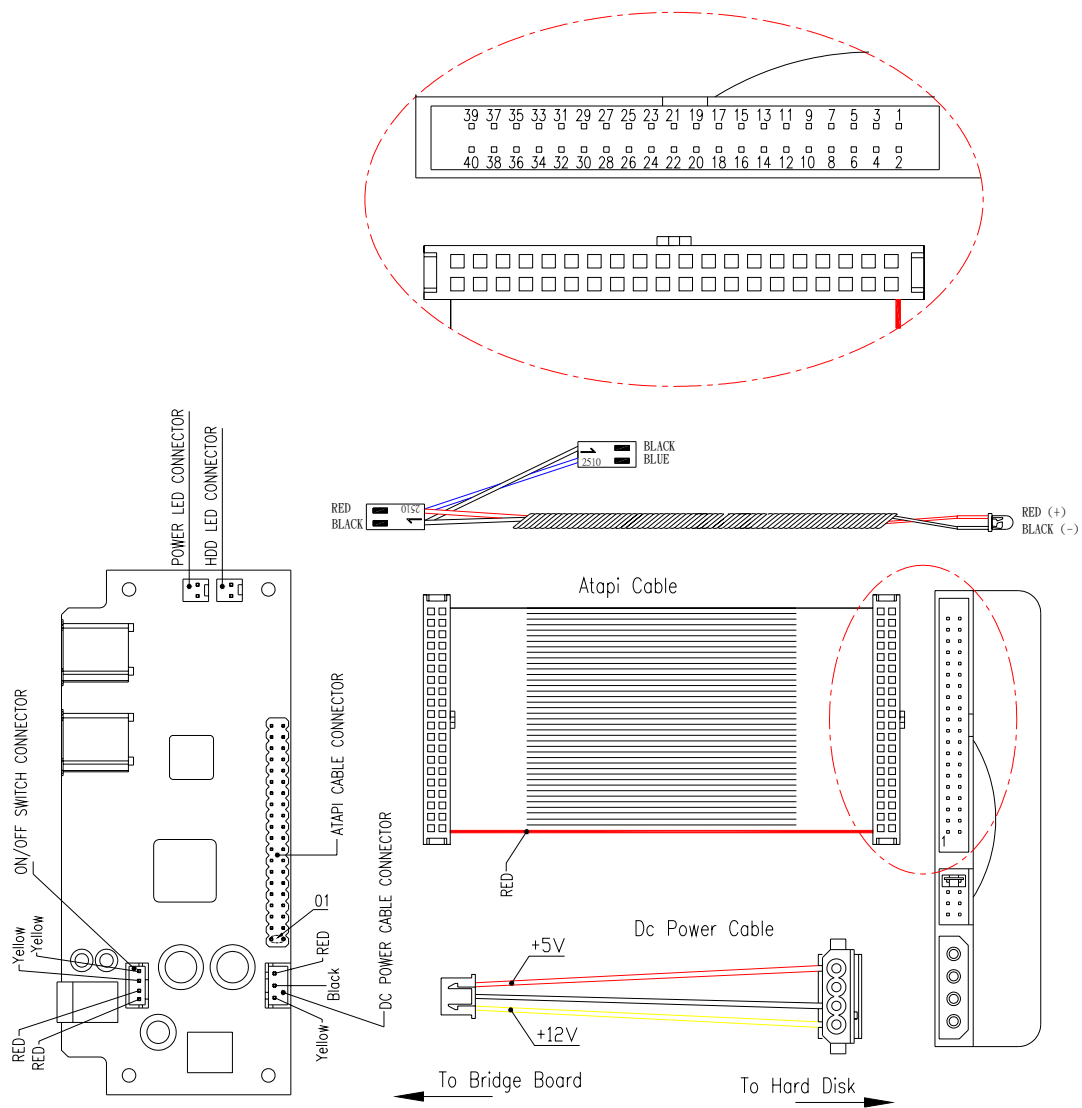


Figure G

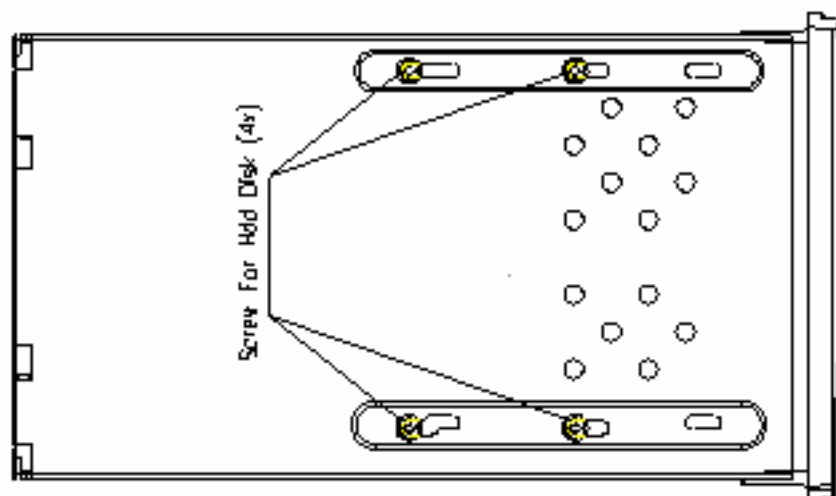


Figure H

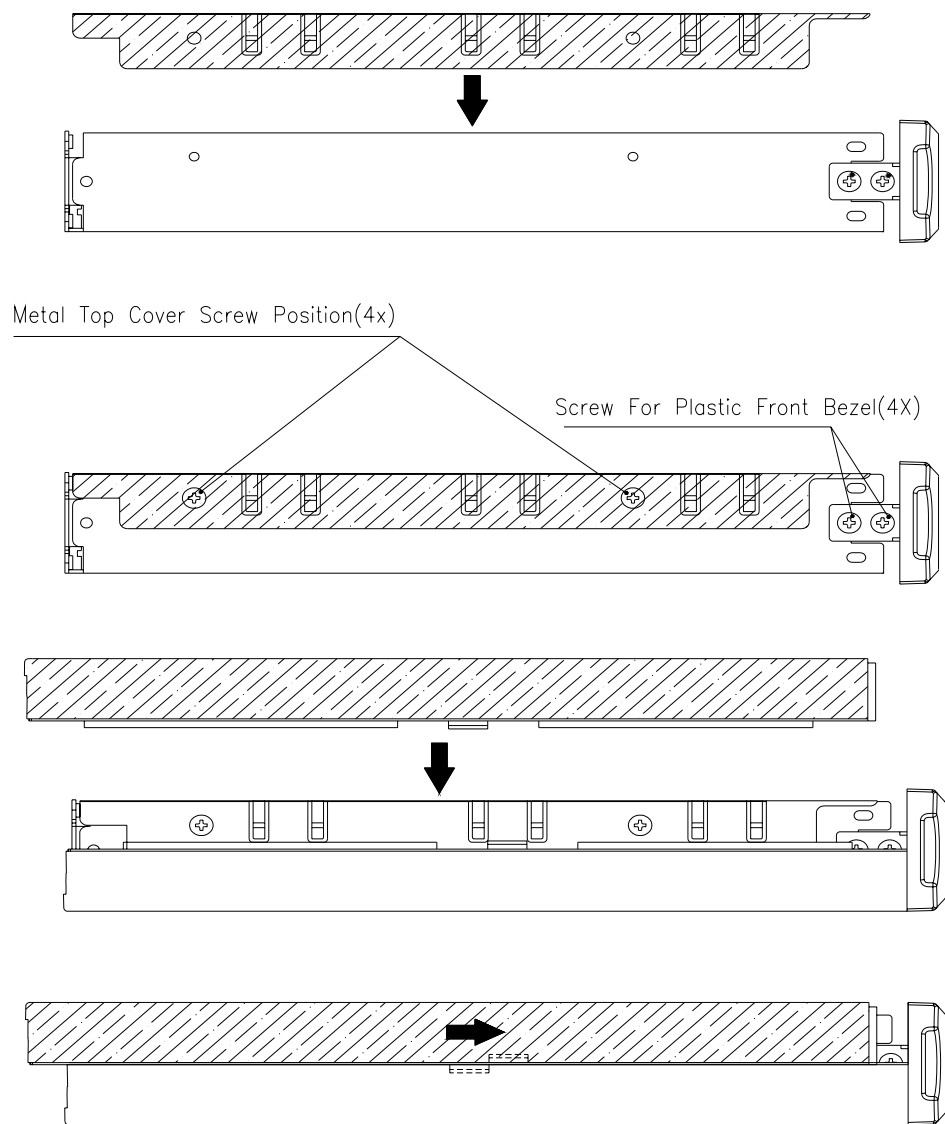


Figure I

3.3 System Set Up
(See Figure J)

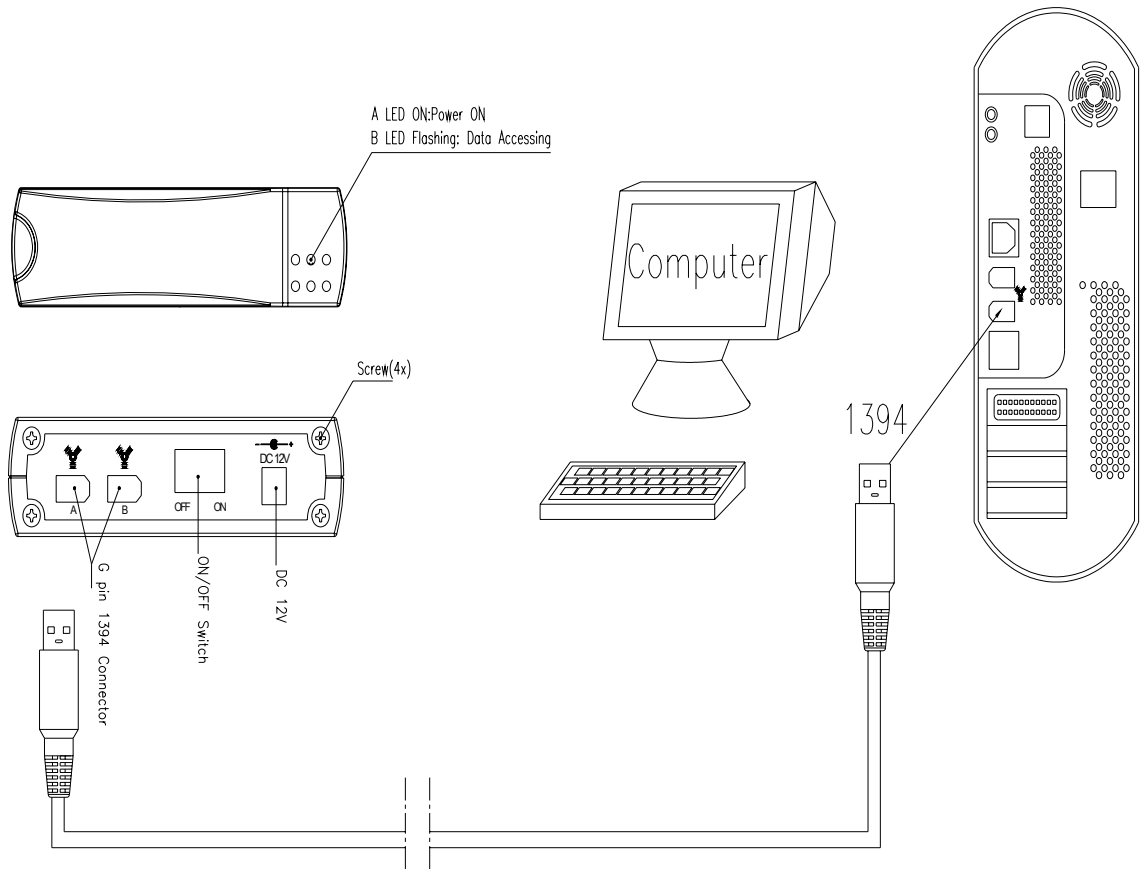


Figure J

Chapter 4

Installation Procedure

4.1. For Win 98SE \ Win ME \ Win2000 \ Win XP

(No driver required)

- Turn on your PC and start “Windows”
 - Connect the power and turn it on
 - Connect the IceCube to your computer’s 1394a port
 - Click on “My Computer” to check your external Hard Drive
- (See Figure 1)



Figure 1

4.2 MAC OS

- Turn on your Computer
- Connect the power and turn it on
- Connect the IceCube to your computer's 1394a port
- For Mac OS 9.1 or later no driver is required. Your IceCube will show up on your desktop or you will be prompted to initialize the HDD first, if that is a factory new drive or the format is not recognized.

(See Figure 2)

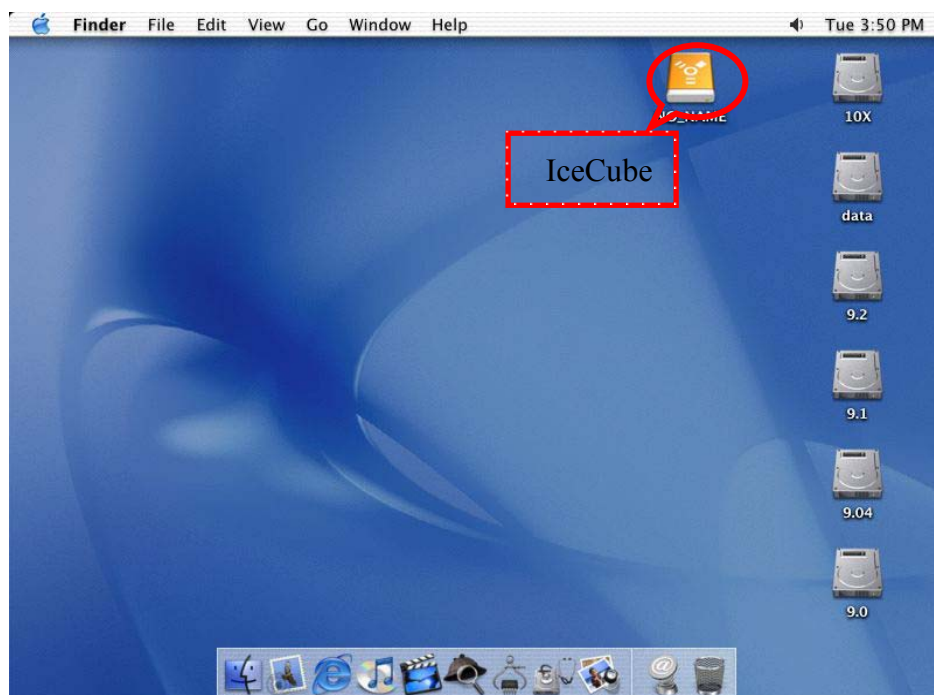


Figure 2

Note: If you are using OS 8.6 or 9.04, your Firewire support has to be at least v2.6. This can be downloaded from the Apple homepage, bought with additional software such as "Anubis" from Charismac or done by upgrading the OS to at least OS 9.1.

Chapter 5

Unplug Procedure

5.1 Windows 98/SE

- Single click (right mouse button) on the taskbar icon (See Figure 3)
- Click on popup message (See Figure 4)



Figure 3
External Hardware Icon

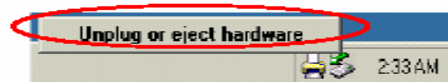


Figure 4

- Click "OK" and remove the device (See Figure 5)



Figure 5

5.2 Windows ME / 2000 / XP

- Single click (right mouse button) on the taskbar icon (See Figure 6)
- Click on popup message (See Figure 7)



Figure 6
External Hardware Icon

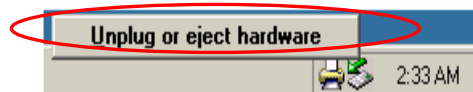


Figure 7

- Click "OK" and remove the device (See Figure 8)

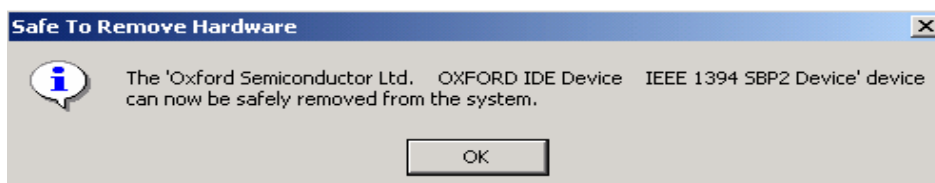


Figure 8

5.3 Mac OS

Put the icon into the trash bin and remove the device (See Figure 9)

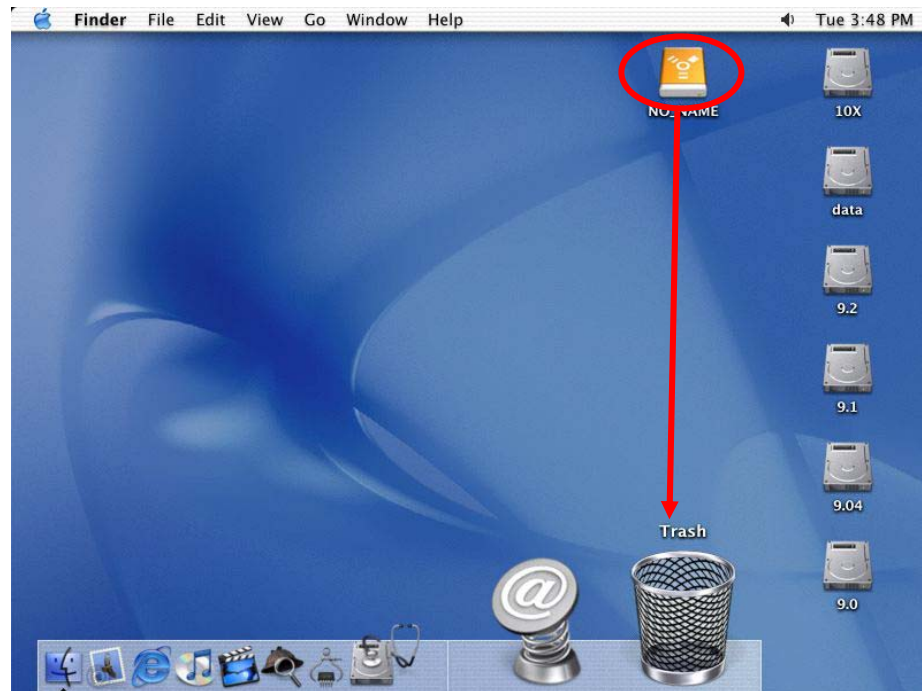
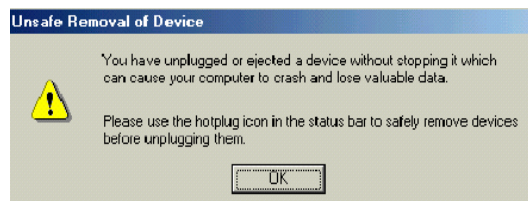


Figure 9

Attention!!

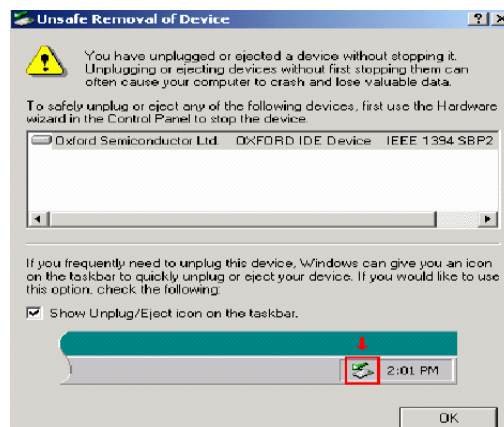
To assure no data will be lost, always follow the “unplug procedure”. If not, data could be lost and the following message will show up:

■ For Windows ME



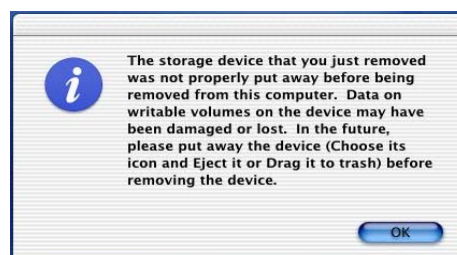
1394a

■ For Windows 2000



1394a

■ For Mac



1394a

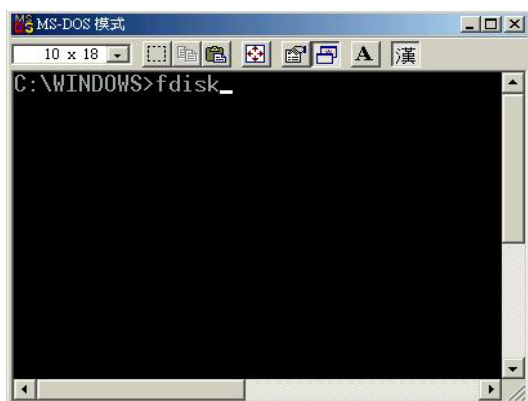
Chapter 6

Partitioning & Formatting

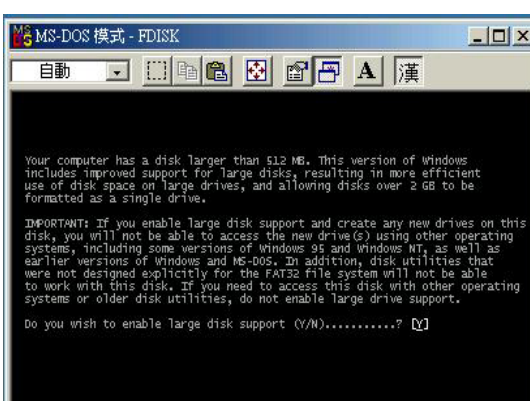
Please be aware that this will destroy all your existing data on the drive, so make sure you have a backup! This step is usually only required the first time you install the HDD or if you have a factory new HDD.

Windows 98/SE, Windows ME

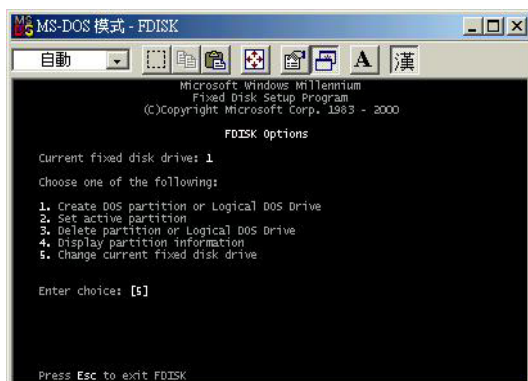
DOS command “fdisk”



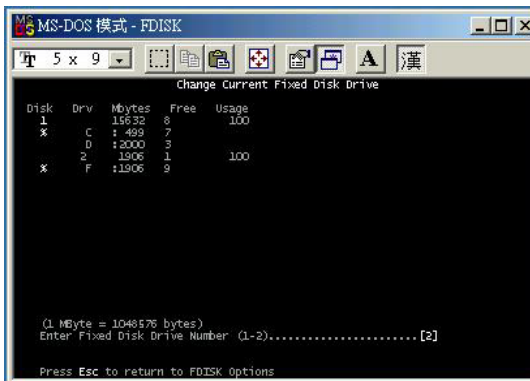
Type “fdisk” and press Enter



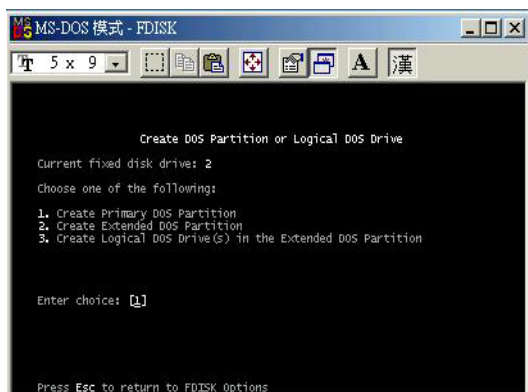
Select “Y”



Enter “5” to change the disk



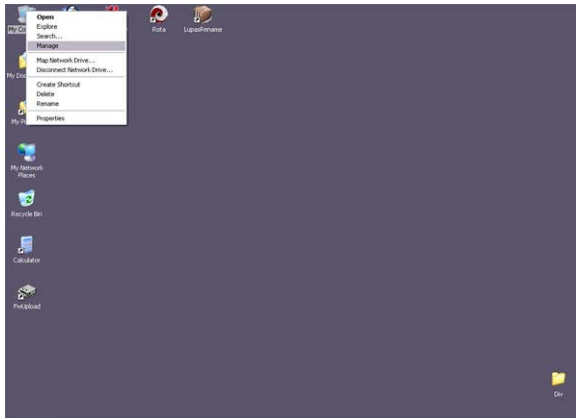
Select the drive you want to format



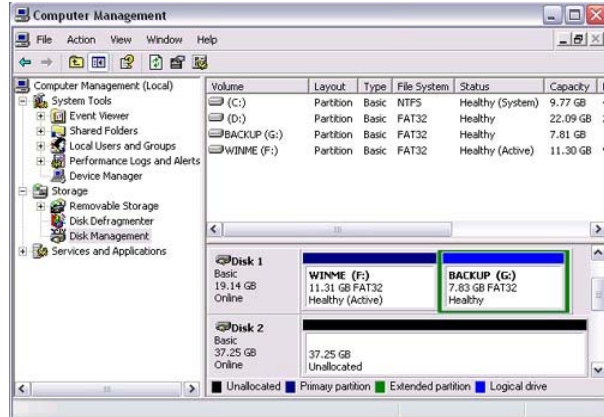
Choose “1” and follow the instructions

Windows 2000, Windows XP

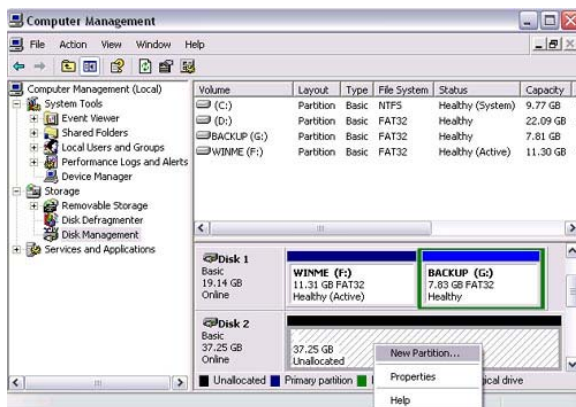
Disk Management Program:



Select “My Computer”, then
right click → “Manage”



Select “Disk Management”



Choose the drive you want to
format and right click on it for
further commands



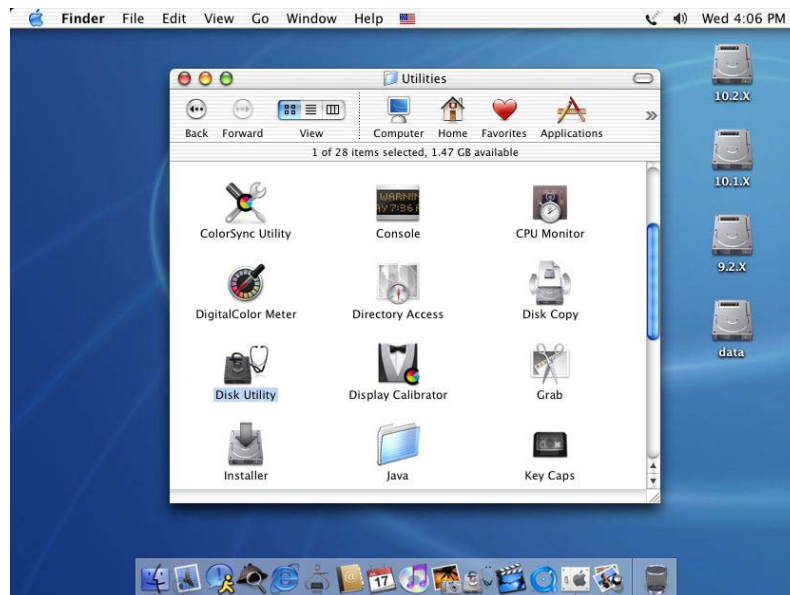
Follow the Partition Wizard



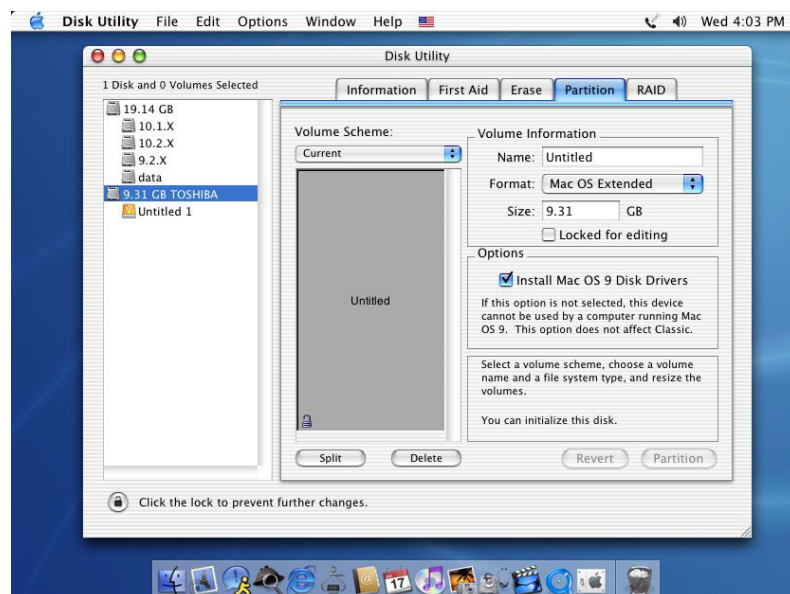
If you want to use it on
many different OS
including Mac, we
recommend FAT32

Mac OS

Mac OS9.2 and before does not support creating partitions on an external drive. To do that you would need to purchase additional software. Initializing is no problem on all OS. For OSX please use the Disk Utility to format and create partitions on your external disk.



Select "Disk Utility" in the Utilities folder



Choose your external drive and format it according to your requirement

Chapter 7

Technical Information

7.1 Features and Advantage of the IceCube 1394a

- ✓ **Over Voltage Protection (OVP)** with a limit of 10% before shut down (max 30V).
Protection for device or Hard Drive damage, caused by sudden voltage spikes in the power supply and wrong or faulty power adapter.
Indication: Blue LED off, Red LED on
- ✓ **Low Voltage Detection (LD)** indicating insufficient power supply. Possible case, low bus power, sudden voltage slump in the power supply or faulty power adapter.
Indication: Blue LED on, Red LED on
- ✓ **Connector Polarity Protection** to prevent any damage to the device or Hard Drive caused by using a wrong adapter or PS2 cable (correct: internal+, external-).



Troubleshooting

A special feature of the IceCube 1394a is the LED indicator; please consult the following table for details.

	Blue LED	Red LED
Status ON, working normal	ON	OFF
Status ON, low power (LD)	ON	ON
Status ON, over voltage (OVP)	OFF	ON
Status OFF or faulty bridge board	OFF	OFF

7.2 Performance Test

Test Computer

Motherboard	MSI 845PE
CPU Processor	Intel Pentium 4
CPU Speed	2.4 GHz
System RAM (MB)	512 MB
1394 Host Controller	VIA VT6306L
Operating System	Microsoft Windows 2000

Hard Drive

Model	RPM	Capacity	Remark
Maxtor DiamondMax Plus9	7200	200GB	

Test Data

Model	Read	Write	Unit	Interface
Oxford 911	39.49	27.11	Mbytes	1394a

© Copyright 2002 Macpower Peripherals Ltd. all Rights Reserved

The information contained in this manual is believed to be accurate and reliable. Macpower Peripherals Ltd. assumes no responsibility for any errors contained in this manual. Macpower Peripherals Ltd. reserves the right to make changes in the specifications and/or design of the IceCube without prior notice. The diagrams contained in this manual may also not fully represent the product that you are using and are there for illustration purposes only. Macpower Peripherals Ltd. assumes no responsibility for any differences between the product mentioned in this manual and the product you may have.